

THE TECH

DAILY

VOL. XXIX. NO. 27.

BOSTON, MASS., FRIDAY, OCTOBER 29, 1909

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STONE & WEBSTER

CHARLES A. STONE, '87
RUSSELL ROBBE, '87
ELIOT WADSWORTH, '03
HENRY G. BRADLEE, '91
Securities of Public Service Corporations

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MANAGEMENT ASSOCIATION
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SERVICE CORPORATIONS**

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ENGINEERING CORPORATION
CONSTRUCTING ENGINEERS**

**CLASSIFIED
LIST OF
ADVERTISERS****ATTRACTI0NS.**Electrical Show.
Castle Square Theatre.**BARBERS.**Rowan & Curry.
M. J. Hannigan.**BANKING HOUSES.**National Shawmut Bank.
State Street Trust Co.**BOOKSTORE.**

Old Corner Bookstore.

CIGARETTES.Fatima.
Tasha.**CONFECTIONERY.**

Apollo Chocolates.

ENGINEERS.

Stone & Webster.

GLOVES.Miss Fiske.
Fownes.**HARDWARE.**

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HATTERS.Collins & Fairbanks.
Sphinx.**HOTELS.**Hotel Brunswick.
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Bent & Bush.

MEN'S FURNISHINGS.Arrow collars.
Boston Garters.
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C. F. Hovey & Co.
Ely Meyer & M. C. Simon.
Jordan & Marsh.
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Noyes Bros.
Shuman & Co.**PRINTERS.**

Geo. H. Ellis.

RESTAURANTS.Copley Lunch.
Lombardi Inn.
Petit Lunch.
Preston's Coffee House.
A. G. Cotton.**SHOES.**

McMorrow.

SPORTING GOODS.

A. G. Spalding.

STATIONERS.Faber Pencils.
MacLachlan.
Moores Pens.**THEATER TICKETS.**

Herrick.

TYPEWRITING.

Miss Sawyer.

TAILORS.Ely Meyer & M. C. Simon.
Morse & Henderson.
Patten.
Pinkos.
Shuman.
Smullen & Co.**GENERAL NOTICES.**

GOTHIC ARCHITECTURE.
Lectures on this subject (Course 250) are given provisionally by Mr. Dike on Tuesdays, from 5 to 6, in room 23 Lowell.

FRENCH II. Section 5, 15 a. b.
On Wednesday this section will recite hereafter in room 31 Lowell, instead of in room 29 Lowell.

The Physical Society will hold its first meeting Thursday, Oct. 28, in room 23 Walker, at 4:15.

The object of the society is to discuss the physical researches which are being carried on at the Institute, as well as the most important papers appearing in the various journals.

All those interested are invited to attend.

D. F. COMSTOCK.

On next Friday night the Union Entertainment Committee has arranged to have Mr. F. P. Fish of the New England Telephone and Telegraph Company as a speaker.

FOUND.—Many books and other valuable articles found about the Institute remain in The Tech office, unclaimed by their owners, whose names were published in a recent issue of The Tech. It is desired that these men call and claim their property.

There will be a smoker this evening in a private room at the Union at 8:00, to which all Exeter graduates are cordially invited.

The run over the Harvard course this afternoon will start a little earlier than usual. Train leaves Back Bay 3:50 P. M.

1911.—A ballot has been left at the Cage for each man who has signed the constitution. Polls close Friday, Oct. 29, 1909, at 4 o'clock.

1911.—Juniors can obtain theatre tickets for Tech Night from D. E. Bent, in Rogers' corridor, daily from 1:00 until 1:20.

1912.—Final trials for the 1912 relay team take place today at Tech Field.

1912.—Class meeting in Huntington Hall, Friday at 1:00 P. M.

The Bank of France now holds the largest stock of gold in its history, and it is ready and indeed anxious to loan gold to the Bank of England, should it be asked to aid in thwarting the financial stringency in England.

Two men were injured and many other people shaken up in a collision yesterday between two street cars upon the Boylston Street railroad bridge near Massachusetts Avenue.

Electrical Show

MECHANICS BUILDING, BOSTON,
NOVEMBER 15th to 25th.

The First in New England.

**EVERYTHING
ELECTRICAL A WONDER
WORLD**

DON'T MISS THIS EDUCATIONAL EVENT

HAVE YOU AN

**IDEA
INVENTION
INNOVATION**

**INSTRUMENT
INTEREST
IN**

ANYTHING ELECTRICAL?

THEN ENTER THE AMATEUR CONTEST.

Prizes for Wireless Outfits, Original Ideas, Labor-Saving Devices.

For particulars address

CHESTER I. CAMPBELL, Gen. Mgr.,
5 Park Square, Boston.**Season Ticket Holders.**

Get Your Reserved Seats for Field Day
from Manager Pearson or
Asst. Manager Benson

**MONDAY
to
THURSDAY**

Room A, Union 8:45-9:00, 1:30-2:00

Rogers Corridor, 9:00-11:00

Non-Holders Get Seats After Thursday.

THE TECH
has Credit, that
will be sold at a
discount, with
stores selling the
following articles

**Men's Furnishings
Tailors
Shoes
Hotel Due Bills
Fountain Pens**

**The
Tech**

**Offers Opportunities
for Mutual Benefit
In the Competitions
for the Various Offices**

**IN NEWS
ADVERTISING
AND CIRCULATION**

Those in charge of each of these departments can be found in THE TECH Office from 8:30 to 9:00 daily.

**Lombardy Inn
Italian Restaurant...**

Table d'Hote Dinner 5 to 8:30
A la Carte
STRICTLY ITALIAN CUISINE
ITALIAN WINES
BOYLSTON PLACE
Near Colonial Theatre
BOSTON, MASS.
Telephone Oxford 2942

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General Manager,
R. H. Ranger 1911

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G. M. Keith 1912 Exchange Editor
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Friday Issue,

E. B. Moore, 1912 Associate Editor
Wm. J. Orchard, 1911 Assistant Editor

All communications regarding advertisements should be addressed to the Business Manager. Regarding subscriptions address the Circulation Manager.

Subscriptions within the Boston Postal District and outside of United States must be accompanied by postage at the rate of one cent for each copy.

Subscription \$1.50 per year in advance
Single Copies 1 Cent.

Printed by Puritan Linotype, Boston

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The constitution of the class of 1911 provides that in case three men are not nominated for every office before nominations are closed, the nominating committee shall fill out the lists. Discounting, thus, the almost proverbial lack of interest taken by Institute men in Institute affairs, the drafters of the junior class constitution attempted to make sure that in spite of itself the class should always have a reasonable amount of choice in electing its officers. Other classes have similar provisions and most nominating committees have to take advantage of them.

With such an arrangement a class is always secure—except when the committee in charge falls down and fails in its duty. Then, as in the junior elections this year, we may have three men up for two offices (the executive committee), four men up for two offices (the Institute committee), or seven men up for five offices (the Athletic Association). Credit to whom credit is due: The 1911 nominating committee was made up of Scott B. Putnam, Kester Barr, Gordon B. Wilkes and Irving W. Wilson. President William C. Salisbury is a member ex-officio of all committees.

CALENDAR.

Friday, October 29.

1:00 P. M.—1912 Class Meeting, Huntington Hall.

1:00 P. M.—Junior and Senior Theatre Tickets on sale in Rogers Corridor.

4:15 P. M.—Final Trials for 1912 Relay Team.

8:00 P. M.—Friday Night Entertainment, Union.

Saturday, October 30.

2:00 P. M.—Orchestra Rehearsal in Union.

Lowell Textile vs 1913.

Exeter vs 1912.

Hare and Hounds' Run.

COMMUNICATION

It seems necessary to call to the attention of the class of 1913 the fact that competition with the sophomores will not end with Field Day. Next April the freshmen will be called upon to pick a cross-country team of five men to run against 1912. So far only one freshman has reported for steady work, and unless this disgraceful condition of affairs is improved upon at once the sophas will undoubtedly carry off the honors for the second time.

It is not too late to begin work now,

and if the freshmen are to win the race next spring it is absolutely essential that all candidates report at once in order that they may become familiar with the character of the work. Running this fall will only continue for a few more weeks, when the annual fall handicap race will be held. Everyone has an excellent chance to win one of the beautiful cups now on exhibition in the reading room of the Union.

Freshmen, you owe it to yourself and to your class to get out and support loyally all your class activities, not only by attendance at meets and games, but by active work for all class teams and by attendance at all class gatherings.

Cross-country running is one of the most beautiful and enjoyable branches of athletics at the Institute, and many who have never had any previous experience have made good on the varsity team. Chase Captain Eldred and myself will be glad to meet anyone interested in cross-country work, and promise a most enjoyable time to men reporting for the hare and hounds' runs.

W. C. WEST 1911.

EXETER CLUB MEETS

Twenty-five of the thirty Exeter men now in Technology turned out last evening for the first smoker of the Phillips Exeter Club, and enjoyed an extremely pleasant evening.

Mr. Scharff, the president's assistant, opened the meeting with a few well chosen words, and explained that it was his intention that the club should attend the annual football game between Phillips Exeter and Phillips Andover in a body. This plan met with instant approbation and a committee was appointed to obtain the tickets.

He next called on Mr. A. C. Fuller, one of Technology's most enthusiastic graduates, who gave a short talk on class and school spirit and seconded Mr. Scharff's idea as an extremely good suggestion.

Plans also were discussed for holding a smoker at intervals throughout the year.

Among those present were representatives of the faculty and of nearly every student organization.

PHYSIC CLUB MEETS

At the first meeting of the Physics Club of the Massachusetts Institute of Technology, held yesterday afternoon, the feature was an interesting discussion lead by Dr. Herbert T. Kalmus on "Micro-Photography." The talk was illustrated by several remarkable photographic plates prepared by Dr. Kalmus, assisted by Harold C. Faxon, in the research laboratory of physical chemistry of the Institute.

The prime mover in the organization of the association is Dr. Daniel F. Comstock, whose remarkable investigations as to the relation of matter and energy aroused to the scientific world last year. Although the club is primarily for the members of the faculty, the instructing staff and the students in the physics department. It is hoped that those in the mathematics and research departments will join in these discussions.

The object of the association is to discuss researches carried on in the Institute laboratories, as well as in the leading papers in the various scientific journals. Following Dr. Kalmus' talk, Richard C. Tolman, instructor in theoretical chemistry, addressed the meeting on the fundamental principles of "Relativity," the conception of matter moving through space with reference to a stationary ether.

FOWNES
GLOVES

are SERVICE gloves—
wear long and look well
while they wear.

TASHA Turkish Cigarettes

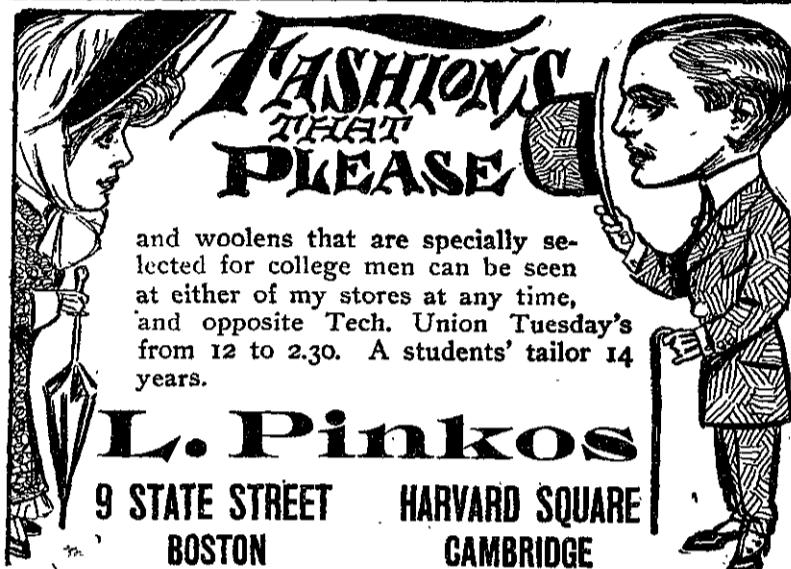
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65c " " " 50
\$1.25 " " " 100

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you have ever smoked

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Estabrook & Eaton, Boston, Distributors.

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OPEN YOUR BANK ACCOUNT WITH THE

National Shawmut Bank

BOSTON

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MATHEMATICAL DEPT.

There have been no great changes in the mathematical department this year beyond the fact that the third year students are continuing their course in Wood & Bailley's math book, volume II, instead of using Murray's book on Differential Equations. Dr. Moore is giving the course in Advance Calculus instead of Prof. Woods who is now in Europe. Prof. Wilson will give his usual advance course of two hours every week to graduated and fourth year students. The exact nature of the math has not been decided yet, this depending mostly on the students in the course.

CURRENT EVENTS

To show their appreciation of the hospitality and kindness shown to them on their visit to Yokahama last October, the officers and men of the United States Atlantic fleet of sixteen battleships have subscribed to buy a loving cup to be presented to the Japanese navy through the State department.

At Princeton this year 35 men reported as candidates for the daily paper during the first three days of school.

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WIRELESS AERIAL

During the past few weeks the members of the Wireless Station Committee have been busily at work completing plans for the large aerial that is to be erected on the Union. Edward M. Guilford of Winchester, vice-president of the Wireless Society, and chairman of the committee, has given the design of the mast and aerial arrangement careful consideration and he is of the opinion that the actual work of the erection will commence this week. The type of antenna that the committee is to put up will be very efficient. It will span from the mast of the Union across to the Pierce building. This will give a long stretch with beneficial results.

The wireless apparatus is to be located in one half of the room of the editorial office of The Tech. It is a large room and will afford every opportunity to carry out the plans for a powerful station.

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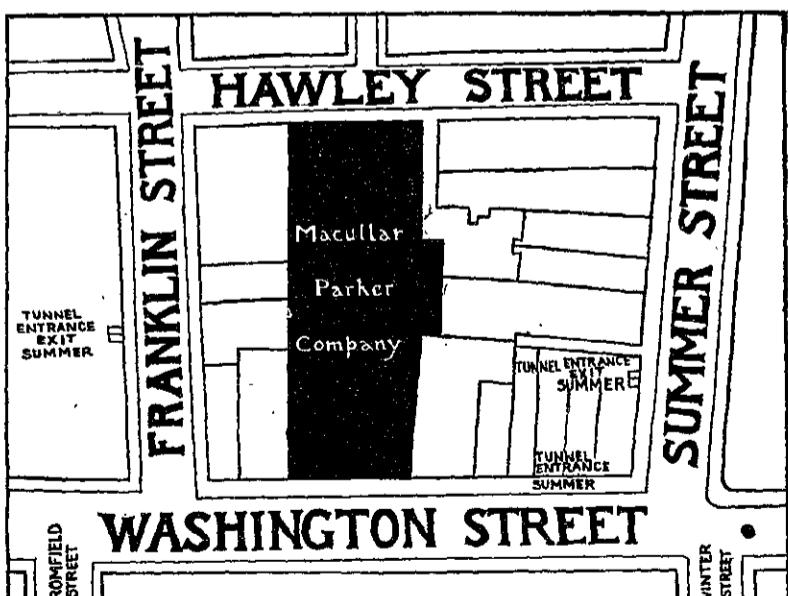
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Trinity Court Petit Lunch

Menu, Friday, Oct. 2, 1909.

Baked Stuffed Deep Sea Bluefish.
Boiled Cod, Egg Sauce.
Braised Lamb Chops, green peas.
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Roast Prime of Beef, Roast Lamb.
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GENERAL NOTICES.

GOTHIC ARCHITECTURE.
Lectures on this subject (Course 250) are given provisionally by Mr. Dike on Tuesdays, from 5 to 6, in room 23 Lowell.

FRENCH II, Section 5, 15 a. m. On Wednesday this section will re-cite hereafter in room 31 Lowell, instead of in room 29 Lowell.

THIRD YEAR APPLIED MECHANICS.

First exercise for Course X: Monday, Nov. 1, at 10 o'clock in Room 21, Eng. A. Bring Lanza's Applied Mechanics. W. A. JOHNSTON.

GOLFERS, ATTENTION! There will be a meeting of the Golf Club at 1 P. M., Monday in 22 Rogers, to discuss arrangements for holding tournament. 27, 28, 29

Men selling Tech Night theater tickets are now in all corners and years. Get your exchange ticket early.

1912 THEATER COMMITTEE.

Hereafter The Tech will be on sale at "The Cage," besides at Rogers, Walker, Eng. A, and Pierce.

Carroll F. Story, 1907, resident engineer on the Little River water mains at Springfield, died recently from typhoid fever.

Handicap hare and hounds run over cross-country course in West Roxbury, Saturday afternoon.

TO RENT.—Large airy front room. Steam heat, hot water, newly furnished, prices reasonable, breakfast obtainable. Mrs. Blanche E. Silcott, Suit 8, The Ilkley, Huntington avenue.

FOUND.—Many books and other valuable articles found about the Institute remain in The Tech office, unclaimed by their owners, whose names were published in a recent issue of The Tech. It is desired that these men call and claim their property.

1911
1911.—A ballot has been left at the Cage for each man who has signed the constitution. Polls close Friday, Oct. 29, 1909, at 4 o'clock.

1911-1910.—Juniors and Seniors can obtain theatre tickets for Tech Night from D. E. Bent, in Rogers' corridor, daily from 1:00 until 1:0.

MUSICAL CLUBS

First Concert Of The Year At Hotel Vendome Tonight

Tonight the musical clubs will give its first concert of the year at the Hotel Vendome. The clubs are of a much higher standard this year than heretofore, due to the earnest work of W. W. Warner, general manager; J. S. Martin, assistant general manager; and J. W. Northrup, P. Caldwell and H. Lockett, the leaders of the mandolin, glee and banjo clubs respectively.

All members of the three clubs must be at the Hotel Vendome, Commonwealth avenue and Dartmouth street at 7:45 P. M. tonight, in full dress. Everyone should be on time for the concert begins promptly at eight, and is followed by a dance.

ADDITIONAL SERVICE

(Continued from page 1.)

The service this year is better than last year, the food is as good as can be found at any of the neighboring restaurants, and the prices reasonable. At the noon hour a good dinner of several courses, served at the tables, can be obtained for twenty-five cents, and a cheaper lunch, cafeteria service, can be had from ten cents up.

Many men have not yet tried the Union at all this year and so do not know what an improvement it is over last year. Those in charge say that as the students are finding this out they are coming more frequently and this lends some encouragement to the hope of better attendance, and ultimate success.

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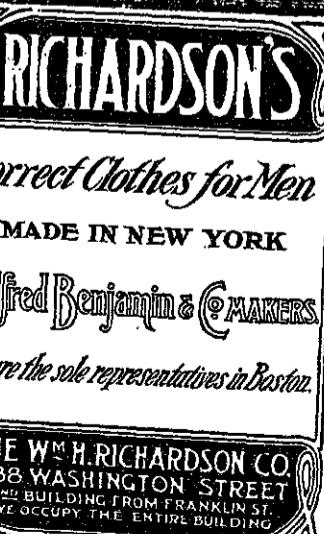
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